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PTO/SB/021 (08-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/670,230
	Filing Date	September 28, 2000
	First Named Inventor	Andrew R. Barron
	Group Art Unit	1771
	Examiner Name	Hai Vo
	Attorney Docket Number	1789-02202
Total Number of Pages in This Submission		13

ENCLOSURES (check all that apply)

☒ Fee Transmittal Form

☐ Fee Attached

☒ Amendment/Reply

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☐ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/
Incomplete Application

☐ Response to Missing Parts
under 37 CFR 1.52 or 1.53

☐ Assignment
(for an application)

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition

☐ Petition to Convert to a
Provisional Application

☐ Power of Attorney, Revocation
Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s)

☐ After Allowance Communication
to Group

☐ Appeal Communication to Board
of Appeals and Interferences

☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Other Enclosure(s) (please
identify below):

Response to Office Action Dated
September 11, 2002 (11 p.); and
acknowledgement postcard

Remarks

RECEIVED

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TC 1700

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Or Individual Name	Marcella D. Watkins, 36,962
Signature	
Date	November 12, 2002

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: November 12, 2002.

Typed or Printed Name	Sandra K. Begley	Date	November 12, 2002
Signature			

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, D.C. 20231.

NOV 18 2002
PATENT & TRADEMARK OFFICE

PTO/SB/017 (10-01)

Applicable for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL For FY 2002

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT \$ 00.00

METHOD OF PAYMENT (Check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:
Deposit Account Number: 03-2769
Deposit Account Name: Conley, Rose & Tayon, P.C.

The Commissioner is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility-filing Fee	\$
106 330	206 165	Design filing fee	\$
107 510	207 255	Plant filing fee	\$
108 740	208 370	Reissue filing fee	\$
114 160	214 80	Provisional filing fee	\$

SUBTOTAL (1) \$

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
41	- 42 = 0 x	18.00	= \$00.00
Independent Claims	1 = 0 x	84.00	= \$00.00
Multiple Dependent		280.00	= \$00.00

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 84	202 42	Independent Claims in excess of 3
104 280	204 140	Multiple dependent claim, if not paid
109 84	209 42	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$00.00

** or number previously paid, if greater; For Reissues, see above

Complete if Known

Application Number 09/670,230
Filing Date September 28, 2000
First Named Inventor Andrew R. Barron
Examiner Name Hai Vo
Group Art Unit 1771
Attorney Docket No. 1856-02202

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	\$
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	\$
139 130	139 130	Non-English specification	\$
147 2,520	147 2,520	For filing a request for ex parte reexamination	\$
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	\$
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	\$
115 110	215 55	Extension for reply within first month	\$
116 400	216 200	Extension for reply within second month	\$
117 920	217 460	Extension for reply within third month	\$
118 1,440	218 720	Extension for reply within fourth month	\$
128 1,960	228 980	Extension for reply within fifth month	\$
119 320	219 160	Notice of Appeal	\$
120 320	220 160	Filing a brief in support of an appeal	\$
121 280	221 140	Request for oral hearing	\$
138 1,510	138 1,510	Petition to institute a public use proceeding	\$
140 110	240 55	Petition to revive - unavoidable	\$
141 1,280	241 640	Petition to revive - unintentional	\$
142 1,280	242 640	Utility issue fee (or reissue)	\$
143 460	243 230	Design issue fee	\$
144 620	244 310	Plant issue fee	\$
122 130	122 130	Petitions to the Commissioner	\$
123 50	123 50	Petitions related to provisional applications	\$
126 180	126 180	Submission of Information Disclosure Stmt	\$
581 40	581 40	Recording each patent assignment per property (times number of properties)	\$
146 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(a))	\$
149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	\$
179 740	279 370	Request for Continued Examination (RCE)	\$
169 900	169 900	Request for expedited examination of a design application	\$

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) \$

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Complete (if applicable)

SUBMITTED BY

Name (Print/Type)

Signature

Marcella D. Watkins

Registration No. (Attorney/Agent)

36,962

Telephone

(713) 238-8000

Date

November 12, 2002

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

GROUP ART UNIT: 1771

EXAMINER: Hai Vo

APPLICANTS:

ANDREW R. BARRON, et.al.

SERIAL NO.:

09/670,230

FILED:

September 28, 2000

FOR:

Chemical Control Over Ceramic Porosity Using Carboxylate-Alumoxanes

RESPONSE TO OFFICE ACTION DATED SEPTEMBER 11, 2002

Atty. Dkt. No.: 1789-02202
Date: November 12, 2002

Commissioner for Patents
Washington, D. C. 20231

Sir:

Commissioner for Patents
Washington, D. C. 20231

Sir:

Applicants acknowledge the Office Action dated September 11, 2002. In response, Applicants request that the above-identified application be amended as follows:

AMENDMENT

...ing. A marked-up copy of

AMENDMENT

In the Claims:

AMENDMENT

In the Claims:

Please replace claims 39, 52, 53, 61, and 73-81 with the following. A marked-up copy of the claims showing the amendments is appended hereto, along with a clean copy of all pending claims.

the porosity and pore size distribution of aluminum

39. (Amended) A method of controlling the porosity and pore size distribution of aluminum oxide based ceramic bodies comprising reacting boehmite with a carboxylic acid to produce carboxylate-alumoxane

nanoparticles, the carboxylate-alumoxane nano-particles, and the nano-particles

re-dissolving the carboxylate-alumoxane nanoparticles in a solvent, and then depositing the nanoparticles on a substrate in a solvent so as to deposit the nanoparticles on a substrate at a temperature greater than 300

evaporating the solvent so as to deposit the nanoparticles on a substrate, and sintering the deposited nanoparticles at a temperature greater than 300°C.

re-dissolving the carboxylate-alumoxane
evaporating the solvent so as to deposit the nanoparticles on a substrate,
firing the deposited nanoparticles at a temperature greater than 300°C so as to form
an aluminum oxide based ceramic body.

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